

0580

Page 1

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#2

OIPF

RAW SEQUENCE LISTING

DATE: 09/10/2001

PATENT APPLICATION: US/09/920,953

TIME: 09:07:18

Input Set : D:\Pa_00361.rpt

Output Set: N:\CRF3\09102001\I920953.raw

1 <110> APPLICANT: Deng, Molian ,
2 Staub, Robin L.
4 <120> TITLE OF INVENTION: Nucleic Acid Sequences From Chlorella sorokiniana And Uses
5 Thereof
7 <130> FILE REFERENCE: 38-21(52114)B
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/920,953
C--> 9 <141> CURRENT FILING DATE: 2001-08-02
9 <160> NUMBER OF SEQ ID NOS: 9395
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13 <212> TYPE: DNA
14 <213> ORGANISM: Chlorella sorokiniana
16 <220> FEATURE:
17 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-A1
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25 aaaaaaaaaa aaaaaagaaa aaaaaaaaaa gggggggcat ttttaggggt tttttttttt 180
27 cccgggtttt ttgcaaat tttttttttt ttaaggac cccaaattaa atttttggg 240
29 gcgggtttta aaactcatg aaggggaaaa acctgtgtt tacaaaattt attactttg 300
31 aaaaaattcc ttttttccca ttttgggttt ttaggaaaag ggccccaccg tttggctttt 360
33 taaaaagtg ggtaacctta ttgcgaaatg gggccccctt tttatggggg attttaagg 420
35 ggggggtttg ttggtttcct ggaagggggc cctttaattt tgagagtgt atatcgcg 480
37 ttttttagtt ttttttcttt tttttttggg cacattttg cggtttttcc ctttaaagtt 540
39 ttaaaatggg gggttttttt gggtttctta tttatgtgt tttgggcctc tttgcctaaa 600
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47 <211> LENGTH: 598
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49 <213> ORGANISM: Chlorella sorokiniana
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53 <222> LOCATION: (1)..(598) *OV*
54 <223> OTHER INFORMATION: unsure at all n locations
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63 tacgataagg tgctggtgta cccggagctg ctgcccttct tcgagtcctt ggacatgcaa 180
65 gagcagaaga tgaagcaggt caagttcatg agcttctgtt ttggcggagc agaccaatac 240
67 aagggccgaa gcatgtacga cgcacacgcc catctggtca agggccacgg cctggaccac 300
69 cgccactttg acaagatcaa gcagtacctt ggagagacgc tgcaagagat gggcgtcaag 360
W--> 71 caggatgtga tccagcacgc cgccggagtg gtggagtcca cccgcgacga atttgacttn 420
73 cccaacaact ggcaccccaa ctgattttca ttaaccaaac cccagcctga gcgctcatte 480
75 catcgatttt gagcggggag cgccagttgc cgagcgcgcc cagggggccc aggagcctgc 540
77 aaatcgtttg ccagcccttg ctgcattgaa gagccatcag ccattttcgc accaagcc 598

ENTERED

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94 gacaacacgg ccatgctgct gggggatgcc aaggacatgt gcgagaagct ccgggcccgc   180
96 gtgtacgagc agtttggcat tgtttgagcg gccaatgctt ccaagccgca tgtcgagctc   240
98 caccacgccc cagccggcag ccccttcac gtgaacgaac gagcgaacat gcatgcgcct   300
100 gtgcccacat gaccacctgc ggtgtgggga gtgccggcag tccaaacaac ccaactccctt   360
102 tccaaacaat cgaacgcatt tgaatgagca ggtagcgta gcggatgaga ctgtcaatgc   420
104 aacactgtgc cccacccccg tcttcttttc tctttgctgt gcaatgccat atgcctccgt   480
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108 tggcagcc                                     548
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125 aatttcagtt cacctggcgg tcatttaact gcctggggtc tggcaacacc ctggcgggac   180
127 agggggtagt gtccctgcac cacatgccct tgctgcccg tggcgtctta gcggagaggc   240
129 tcgcagcgaa cgggctggcc cccatttgcg caccctgcat ggggaatggc acgcgcgctg   300
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146 aaaaaaaaaa aaaaaaaaaa a                                     81
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157 <223> OTHER INFORMATION: unsure at all n locations
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183 agctcacggg gccggcgag ctgctgtgtg gcattgcgga gcgtggcgcc catgtgcact 180
185 tcatgttcgt gtaccgagac cccttcagcg atggcggtta tgatgataat gtctcgctgt 240
187 catacaagct gccggtgcgt gaggacgcgg gggctctata tggcgatggc ctgtagtgcc 300
189 taggagctgc gaaccttact tgacacgggc accattcctc aagggtgcgt gaacgaggcg 360
191 tggccagctc ctgactgact tctcacaatg cagctgcaca ttggggcgca tcaactcgac 420
193 aagcaaaggc aattttctgc attgaaagcg tgtaaccaga gccag 465
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210 aacctgcca ccaatacatc gctcttgac ggtcgattga ttgctgtcct cagtagtcgc 180
212 ctccctgtcc cccgccttgc cgctgtcctg agaagaatgc atcctcgcgc acttgctgtg 240
214 taacccatcc aaccgtc 257
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234 aaaaaaaaaa aaaaaaaaaa aagggggggc cgtttttaaa attaaaaatt tatttcccct 180
236 tgtttggggg gtattaattt ttttttggg ggccaaaaat taaatttatt ggccgtgttt 240
238 ttaaaacttc gtaattggaa aaacctggt ttaccaaaat ttaattggtt tgaaaaaaat 300
240 tcccttttta aaagtgggt tatttgaaaa aaggccggaa ccattttttt tttcaaaaat 360
242 ttggccacct ttattgggaa tttgaacccc ctttttatgg gccatttaaa cccgccgttt 420
244 tttttttttt tctcaatttt tacctttaat ttttgaaagc ccttagggcc ggggtctttt 480
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263 cttatgaagc tgtccatctc ctttgccctg gccagtgcca ccaagctgtc ggtgttggag    120
265 gagcgtgcac tgaccatcgc ggcggccacg cgcaacctgc ccatgcagct ggcacaggag    180
267 ggcaagggtg ctgtgaagag ccgagccgtg gccaaagtca tgggcgcgct cttcatcgag    240
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273 gaccggatag agatcctcaa ctgcgcgctg cagggtgctgc acgagctgct ggacatgctg    420
275 cggtgcagg gccaggcgca gcacagcgac ttccctggaga tcatcatcat cctgctcatc    480
277 tgcgtggact gctaatctt gctcttcacg ctggcggcgc tgctgggctg ggtggggccc    540
279 ggcggtggca gcatacaca ccagctggcg ggcacgcgct ggggcgcctc gctggcagcc    600
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289 <213> ORGANISM: Chlorella sorokiniana
291 <220> FEATURE:
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300 cccaagtgtc gtccctccac caccaccttt tgcgggctat gcaccaccta cacttttgcg    180
302 tgctgattct gctgcgcccc cgctgcctcc tgaaggctgg agtggtctc cgctgccacc    240
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310 <213> ORGANISM: Chlorella sorokiniana
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321 ctgcctcgcc ctgcgccatt cacaactega aaaatttcat tcgcgcgta ggctgcctt    180
323 tgcttcaca ctttttttcc actccctcct tgtgcctgc cagttctttc gaggacctct    240
325 gcaaagcctt tctcgtgca gcgcgcgcgc ctgcctcttg tttggtactc cttgttacta    300
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381 cctgactgct gcggcggtgag ctgaccaggc agcaagttgc aaagggcgca gctgcagaaa 420
383 tggcctgcaa gccagcgggc gccagcaggg cggcaggcgt cggcggcggc aggcgtcggc 480
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W--> 413 agagaccgac caacacggcg cccgcgacga nggcgcccgg ggcgcccnga ggggaccnca 300
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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9

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L:1847 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67
L:1849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67